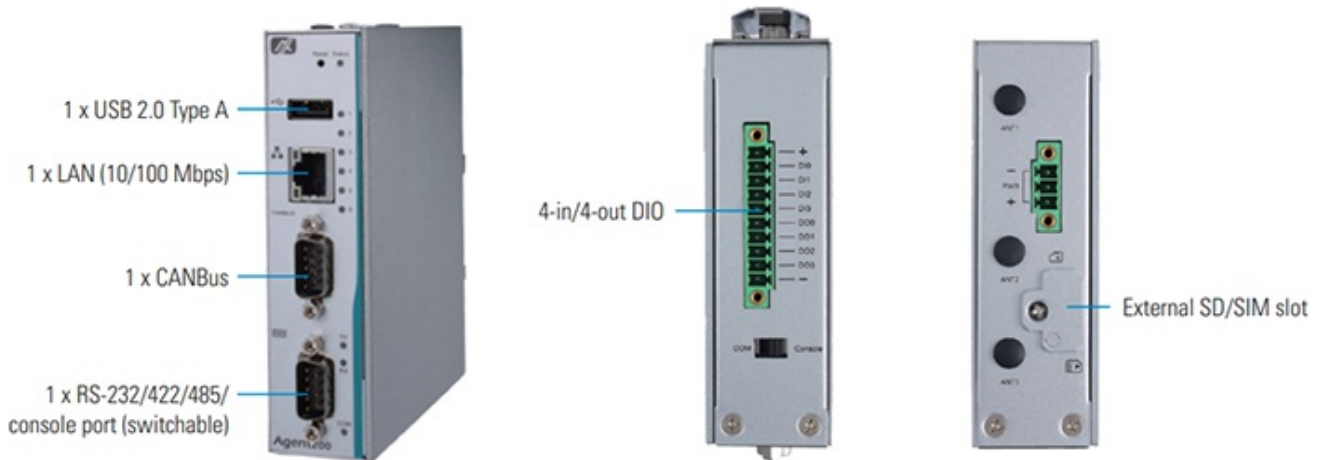


EMBEDDED BOX PC

IoT gateway for harsh environments

End of September 2020 Axiomtek (Taiwan) released the Agent200-FL-DC fan-less embedded system. Beside others, it offers one CAN interface.



Peripherals of the Agent200-FL-DC (Source: Axiomtek)

The Risc-based industrial computer can serve as an IoT (Internet of things) gateway. It is powered by the 528-MHz NXP i.MX 6UL processor with the ARM Cortex-A7 micro-architecture. The device comes with a 256-MiB onboard DDR3L memory and a 4-GB eMMC for storage. Two PCI Express mini card slots, one SIM card slot and two internal antennas are available for Wi-Fi, 3G/4G mobile network, and GPS connections.

The PC measuring 31 mm x 100 mm x 125 mm provides a CAN port, a switchable EIA-232/EIA-422/EIA-485 port, a 10/100 Mbit/s LAN port, a USB 2.0 port, and respectively four digital I/Os. The LED indicators on the front panel show the status of the device. The DIN-rail or wall-mountable platform is compatible with Yocto embedded Linux operating system for software program development.

Designed for harsh operating environments, the IP20-rated device supports the operating temperature range of -40 °C to +70 °C, a voltage range of 9 V_{DC} to 48 V_{DC}, and can withstand vibration environments up to 2 g. It is optimized for remote control and monitoring management applications such as unmanned control rooms, industrial machines, automatic parking lots, traffic monitoring systems, etc.

[of](#)